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Also, as shown in FIGS. 5A and 5B, a rotary switch 33 that connects and disconnects according as the light 30 rotates is provided in the lid 4 and inside the light 30.

Namely, the lights 30 are installed rotatably around a rotational shaft 31 at both of top-end side parts, and a cam 32 that rotates with the rotational shaft 31 is provided.

Also, the rotary switch 33 is disposed such that it disconnects (state in FIG. 5B) and connects (state in FIG. 6B) according as the cam 32 rotates.

The rotary switch 33 can detect that the light 30 is rotated from the storage position shown in FIG. 5B to the position shown in FIG. 6B, by being pressed down by the cam 32 then released therefrom. Also, as shown in FIG. 7, it is connected with the input port of CPU 11, through which it outputs signal as a detection result.

Namely, as shown in FIG. 6B, when the light 30 rotates with the rotational shaft 31 and thereby the cam 32 fixed onto the rotational shaft 31 releases the rotary switch 33, OFF signal is output to CPU 11, which controls the illumination controller 13, based on this OFF signal, to turn on the light 30.

On the other hand, as shown in FIG. 5B, when the light 30 returns to the storage position, the cam 32 fixed onto the rotational shaft 31 presses down the rotary switch 33 and thereby ON signal is output to CPU 11, which controls the illumination controller 13 to turn off the light 30.

In this embodiment thus composed, since the turn-on/turn-off of the light 30 is performed by the rotation operation of the light 30, the photosensor 7 in the first embodiment is not necessary to provide. Also, comparing with the light 20 fixed onto the lid 4, the direction of supplying light can be adjusted regardless of an open angle of the lid 4. Therefore, the illumination can be supplied more stably.

Accordingly, with the information terminal device with display-illuminating means in this embodiment, by rotating arbitrarily the light 30 as the illuminating means toward the display 2, an optimum illumination position for the display 2 can be obtained adjusting freely. Thus, a more convenient terminal device can be obtained.

Also, since the light 30 turns on/off according as the light 30 rotates, the light 30 can be turned on/off automatically by only rotating the light 30. Thus, the turn-on/turn-off operation of the light 30 can be performed very easily, and neglecting to turn off it can be prevented securely.

Furthermore, since the mechanism for turning on/off the light 30 can be composed simply by only the rotational shaft 31 and cam 32, the manufacturing cost of terminal device can be more reduced.

Although the invention has been described with respect to specific embodiment for complete and clear disclosure, the appended claims are not to be thus limited but are to be construed as embodying all modification and alternative constructions that may be occurred to one skilled in the art which fairly fall within the basic teaching here is set forth.

What is claimed is:

1. An information terminal device, comprising,  
a display

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a lid for covering said display, said lid being allowed to fold up and unfold freely, and means for illuminating said display from above, wherein said means for illuminating is provided at a top end of said lid and disposed on said lid, and wherein light emitted from said means for illuminating said display is directed to said display when said lid is unfolded.

2. An information terminal, according to claim 1, wherein said display-illuminating means is disposed on the top end of said lid which is a remote end from said display.

3. An information terminal device, according to claim 1, further comprising:

a switch that connects and disconnects as said lid is opened and closed;

wherein said display-illuminating means turns on and off accordingly as said switch connects and disconnects.

4. An information terminal device, according to claim 1, further comprising:

a photosensor;

wherein said display-illuminating means turns on and off according to a signal from said photosensor.

5. An information terminal device, according to claim 1, further comprising:

a timer means that turns off said display-illuminating means when said information terminal device is not operated during a certain time period.

6. An information terminal device, according to claim 1, wherein

said display-illuminating means is disposed rotatably toward said display.

7. An information terminal device, according to claim 6, further comprising:

a rotary switch that connects and disconnects according as said display-illuminating means rotates;

wherein said display-illuminating means turns on and off according as said rotary switch connects and disconnects.

8. An information terminal device, comprising:

a display;

a lid for covering said display, said lid being allowed to fold up and unfold freely; means for illuminating said display from above provided on said lid and disposed rotatably toward said display;

a rotational shaft mounting said display illuminating means to said lid;

a rotary switch mounted to said lid; and

a cam provided at an end of said rotational shaft, said cam rotating with said rotational shaft;

wherein said cam releases said rotary switch when said display illuminating means is rotated into a first position and said cam presses down said rotary switch when said display illuminating means is rotated into a stored position.

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